

RECEIVED  
CENTRAL FAX CENTER

AMENDMENT Continued  
Serial No. 10/659,636

JAN 25 2006

Please replace paragraph 2 on page 6 (lines 16-20) with the following amended paragraph:

The present invention solves the problem of preventing unwanted electronic energy entering into the computer and preventing signals from escaping the computer. It incorporates that same technique in an off-the-shelf enclosure that can be installed on any existing computer to make it conform to the same standards of performance.

Please replace paragraph 4 on page 7 (lines 18-24) with the following amended paragraph:

The theory or for the effectiveness of these filtered connector assemblies may be described by insertion loss. Insertion loss ( $L_i$ ) is a measurement of the effectiveness of a filter.  $L_i$  is defined as the ratio of the voltage ( $V_1$ ) across the circuit load without the filter to the voltage ( $V_2$ ) across the load with the filter. Since the insertion loss is dependent upon the source and the load impedance in which the filter is to be used,  $L_i$  measurements are defined for a matched 50 ohm system. The insertion loss is measured in decibels (dB) and defined as follows:

$$L_i (\text{dB}) = 20 \log [V_1/V_2]$$

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Please add the following new paragraph after paragraph 4 on page 10 (lines 15-16):

FIG. 1d is a side view of the enclosure showing the overlapping edges of the interconnected panels;

Please replace paragraph 3 on page 13 (lines 12-14) with the following amended paragraph:

The seams on the sides, the rear, and the front feature a double protection mechanism which includes both overlapping steel flanges with large numbers of fastening screws (see FIG. 1d) and EMI/RFI gaskets to further prevent emissions (see FIG. 8).

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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1.(currently amended) An apparatus for electromagnetically isolating a computer from the surrounding environment for preventing a transfer of electrical and magnetic field energy between the computer and the environment; the apparatus comprising:

an enclosure having a plurality of metal panels having overlapping edges fastened to one another and forming an internal chamber configured for receiving a computer;

a plurality of shielding gaskets positioned along said overlapping edges across all seams and gaps between said panels; and

at least one of said panels having a plurality of ruggedized non-standard connectors for electrical connection of cables to external peripheral computer devices and interfaced with standard connectors for electrical connection within said enclosure to said computer.

2.(currently amended) The apparatus recited in claim 1 further comprising a plurality of filtered cable assemblies within said enclosure for connecting said ruggedized non-standard connectors to said computer standard connectors.

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3.(original) The apparatus recited in claim 1 further comprising a plurality of brackets affixed in said internal chamber for securing said computer within said enclosure.

4.(currently amended) The apparatus recited in claim 3 wherein said brackets are positioned for locating said computer at a selected distance from said ruggedized non-standard connectors.

5.(original) The apparatus recited in claim 1 wherein at least one of said panels comprises an integral air filter for allowing air flow between said internal chamber and said environment.

6.(original) The apparatus recited in claim 1 wherein said panels are made of heavy gauge steel.

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7.(currently amended) A computer enclosure configured for accommodating any one of a plurality of commercially available computer towers, the enclosure being used for preventing unauthorized monitoring of signals emanating from an enclosed computer tower, the enclosure comprising:

a metal housing forming an internal chamber, at least one surface of said housing having a plurality of high-impact panel-mounted connectors for attaching cables to exterior computer peripheral devices; and

a plurality of filtered cable assemblies within said internal chamber for connecting said high-impact panel-mounted connectors to a computer within said chamber.

8.(original) The apparatus recited in claim 7 further comprising a plurality of brackets affixed in said internal chamber for securing said computer within said enclosure.

9.(currently amended) The apparatus recited in claim 8 wherein said brackets are positioned for locating said computer at a selected distance from said ruggedized high-impact panel-mounted connectors.

10.(original) The computer enclosure recited in claim 7, said metal housing comprising at least one integral air filter for allowing air flow through said housing.

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11.(original) The computer enclosure recited in claim 7 wherein said metal housing comprises a plurality of metal panels having overlapping edges fastened to one another.

12.(original) The computer enclosure recited in claim 11 further comprising a plurality of shielding gaskets positioned along said overlapping edges across all seams and gaps between said panels.

13.(original) The computer enclosure recited in claim 7 further comprising a power supply filter for filtering AC power applied to a power supply within a computer in said enclosure.

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AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes new FIG. 1d.

Attachment:      New drawing sheet

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REMARKS/ARGUMENTS

Claims 1-13 are pending. Reconsideration in view of the amendments made herein is respectfully requested. The drawings have been amended by the addition of a new figure (FIG. 1d) which more explicitly illustrates panels with overlapping edges. No new matter is being added with this amendment. The term "ruggedized" has been deleted from the claims.

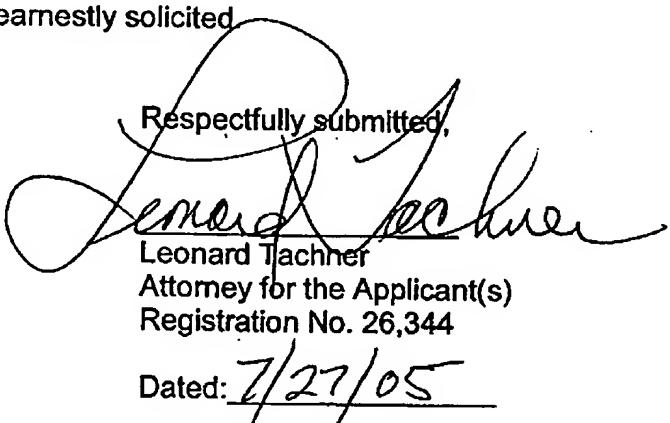
The original claims were rejected based on 35 USC 102 or 103 primarily over Schwenk et al (U.S. 5,294,748). This rejection is respectfully traversed.

Schwenk et al includes a self-supporting rack separate from the metal case shielding. Such a rack would make it impossible to enclose a tower computer to which Applicant's claims are explicitly directed. Moreover, Schwenk et al fail to disclose any means for accommodating cooling air flow as required by computers. Schwenk et al also fail to disclose or suggest any way of securing a computer inside the case or to provide for filtering of data signals or AC power passing into or out of a computer. More significantly, Schwenk et al do not disclose or suggest the use of non-standard or high-impact connectors which as explained at page 12, line 25 to page 13, line 4 of the specification, both prevent non-EMI hardened devices to be plugged into the computer and connector damage which could lead to signal leakage.

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Any allegation that such features are obvious features without any factual support in the form of prior art publications, does no more than rely on hindsight based from Applicant's disclosure which is, of course, clearly an improper basis upon which to refuse allowance of patent claims. Therefore, unless the noted features can be shown to be explicitly shown in the prior art, it is believed that pending claims 1-13 merit an allowance and such is earnestly solicited.

Respectfully submitted,

  
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Dated: 7/27/05

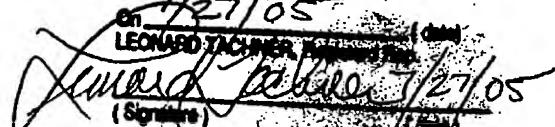
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LEONARD TACHNER,   
(Signer)

Appl. No. 10/659,636  
Amdt. Dated July 27, 2005  
Reply to Office Action of Nov. 4, 2004  
New Sheet

